

## ABSTRACT

Various methods and apparatuses that multiply the effects of feedback current on an amplifier. In an embodiment, a buffer circuit controls the transition rate on an output pad of the buffer circuit. An amplifier has an input terminal and an output terminal. The output terminal couples to the output pad. A feedback component couples feedback current from the output pad to the input terminal. A current mirror multiplies the effects of the feedback current on the input terminal without increasing the feedback current through the feedback component.